Signature

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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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## UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1 53 (h))

Attorn	ey Docket No.	LEX-0301-USA
First Inventor		Friddle
	Novel Human Ion	Exchanger Proteins and Polynucleotides Encodin

Title the Same

1.50 (2)/	Ехр	ress Mail Label No.	EV017076	374US		=0	
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility pate	* ·	ADDRESS TO: 🔞	Assistant Commi Box Patent Appli Washington, DC		05.4	185 K	
1. X Fee Transmittal Form (e.g., PTO/SB/ 2. X Applicant claims small entity status. 3. X Specification [Total Pages (preferred arrangement set forth below)  - Descriptive title of the Invention  - Cross Reference to Related Applications  - Statement Regarding Fed sponsored R & Reference to sequence listing, a table, or a computer program listing appendix  - Brief Busingsion of the Invention  - Brief Busingsion of the Invention	17) 34	7. CD-ROM Computer 8. Nucleotide and/o (if applicable, all a. X Comp b. Specification Se i. ii. X c. X Staten	or CD-R in du Program ( <i>Ap</i> r Amino Acid necessary) uter Readable equence Listin CD-ROM c paper (7 pa	uplicate, large table or opendix) Sequence Submission Form (CRF) - DISKE or on: or CD-R (2 copies); or ages) g identity of above cop	TTE		
- Detailed Description - Claim(s) - Abstract of the disclosure  4. Drawing(s)(35 U.S.C.113) [Total Sheets  5. Oath or Declaration [Total Pages] a. X Unexecuted (original or copy) b. Copy from a prior application (37 C (for continuation/divisional with Box 18 com i. DELETION OF INVENTOR(Signed statement attached deleting	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ACCOMPANYING APPLICATION PARTS  9. Assignment Papers (cover sheet & document(s))  10. 37 CFR 3.73(b) Statement (when there is an assignee)					
named in the prior application 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76	'	16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent  17. Other:					
18. If a CONTINUING APPLICATION, check appror in an Application Data Sheet under 37 CFR 1.7.  Continuation Divisional Prior application information: Examiner  For CONTINUATION or DIVISIONAL APPS only: The Box 5b, is considered a part of the disclosure of the acc The incorporation can only be relied upon when a portion	Continuation-in-par entire disclosure of the ompanying continuation has been inadverten	of prior app Group Art Unit: prior application, from when or divisional application tly omitted from the submited fro	nich an oath or	declaration is supplied u	— nder		
Customer Number or Bar Code Label	nsert Customer No. or Atta	or X Correspondence address below					
Name	242	31					
Address	PATENT TRADEM	ARK OFFICE					
City	State		Zip				
Country	Telephone		Fax				
Name (Print/Type) Lance K. Ishimoto		Registration No. (Attor		41,866		Ī	
Signature	avid with Been	REE. NO. 41,071	Date	January 22, 2002		1	

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Date

PTO/SB/17 (11-01)
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FEE TRANSMITTAL  for FY 2002  Patent fees are subject to annual revision.    Applicant claims small entity status. See 37 CFR 1.27     Total amount of Payment   (s)	Under the Paperwork Reduction Act of 1995, no persons are	e requii	60 10 165	ponu to	a collec	number	· 	
Filing Date	EEE TOANGMITTAL							
Patent tees are subject to annual revision.    X   Applicant claims small entity status. See 37 CFR 1.27   Group Art Unit   To be assigned	LEE INAMOMITTAL	· [	Application Number			To be assigned	To be assigned	
Patent fees are subject to annual revision.  Examiner Name To be assigned  To be assigned  Attorney Docket No. LEX-0301-USA    To be assigned   To be assigned	for EV 2002	l	Filing	Date		01/22/02		
X   Applicant claims small entity status. See 37 CFR 1.27   TO be assigned   To be assign		ı	First N	lamed	Invent	tor Friddle		
TO TOTAL AMOUNT OF PAYMENT (s)   Attorney Docket No.   LEX-0301-USA	Patent fees are subject to annual revision.		Exam	iner N	ame	To be assigned		
METHOD OF PAYMENT (check all that apply)   STEE CALCULATION (continued)	x Applicant claims small entity status. See 37 CFR	1.27	Group	Art U	nit	Tabassianad		
METHOD OF PAYMENT (check all that apply)    Check   Credit Card   Money   Other   None   Credit Card   Small Entity   Small Entity   Fee   Fee   Fee   Fee   Code   Sis   Surcharge - late fling fee or oath   Surcharge - late fling fee or oath   Surcharge - late fling fee or cover sheet   None	TOTAL AMOUNT OF PAYMENT (\$)		Attorn	ev Do	cket No			
Check Credit Card Money Order Other None Order O	TOTAL AMOUNT OF PATMENT		Attorn	Cy Do	OKC I W	0.   EEX 0001 00X		
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Lexicon Genetics Incorporated   139   130   139   130   Non-English specification	Account 50-0892	127	50	227	25			
Charge fee(s) indicated below	Account Lexicon Genetics Incorporated	139	130	139	130	Non-English specification		
Charge any additional fee(s) during the pendency of this application  Charge fee(s) indicated below, except for the filling fee  to the above-identified deposit account  FEE CALCULATION  117 920 217 460 Extension for reply within first month  118 1,440 218 720 Extension for reply within fourth month  119 320 219 160 Notice of Appeal  110 740 201 370 Utility filling fee  110 740 201 370 Utility filling fee  110 75 10 207 255 Plant filling fee  111 10 240 55 Petition to reviev - unavoidable  112 1,280 241 640 Petition to reviev - unintentional  113 1,840*  114 160 214 80 Provisional filling fee  115 110 25 55 Extension for reply within first month  116 400 216 200 Extension for reply within first month  117 920 217 460 Extension for reply within fourth month  128 1,960 228 980 Extension for reply within firth month  129 220 160 Filing a bnef in support of an appeal  120 320 220 160 Filing a bnef in support of an appeal  121 280 221 140 Request for oral hearing  121 280 221 140 Request for oral hearing  122 280 241 640 Petition to reviev - unavoidable  123 1,280 241 640 Petition to reviev - unavoidable  124 1,280 242 640 Utility issue fee  125 125 55 Extension for reply within first month  126 28 980 Extension for reply within fourth month  128 1,960 228 980 Extension for reply within fourth month  129 1,280 221 140 Request for oral hearing  120 320 220 160 Filing a bnef in support of an appeal  121 280 221 140 Request for oral hearing  122 123 240 240 450 Utility issue fee (or reissue)  123 241 640 Petition to reviev - unavoidable  144 620 244 310 Plant issue fee  145 127 248 249 349 Extension for reply within first month  156 128 15 55 Extension for reply within first month  165 128 15 15 15 15 15 15 15 15 15 15 15 15 15	The Commissioner is authorized to: (check all that apply)	147	2,520	147	2,520	For filing a request for ex parte	٦	
Charge any additional fee(s) during the pendency of this application  Charge fee(s) indicated below, except for the filling fee to the above-identified deposit account  FEE CALCULATION  117 920 217 460 Extension for reply within first month  118 1,440 218 720 Extension for reply within fourth month  1. BASIC FILING FEE  Large Entity  Small Entity  Fee Peald  119 320 219 160 Notice of Appeal  110 320 220 160 Filling a brief in support of an appeal  111 1,280 241 640 Petition to review - unavoidable  114 160 214 80 Provisional filling fee  115 110 215 55 Extension for reply within first month  116 400 216 200 Extension for reply within third month  118 1,440 218 720 Extension for reply within fourth month  128 1,960 228 980 Extension for reply within first month  129 1,960 228 980 Extension for reply within first month  120 320 220 160 Filling a brief in support of an appeal  121 280 221 140 Request for oral hearing  122 183 1,510 183 1,510 Petition to institute a public use proceeding  124 150 244 55 Petition to revive - unavoidable  125 126 127 1280 242 640 Utility sisse fee (or reissue)  2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE  Extra Claims  Fee From Fee Paid  122 130 122 130 Petition to revive - unavoidable  123 50 Processing fee under 37 CFR 1.17(q)  124 125 130 122 130 Petition to the Commissioner  126 180 126 180 Submission of Information Disclosure Stritt  Recording each patent assignment per property (times number of properties)  126 180 126 370 Filling submission after final rejection	Charge fee(s) indicated below Credit any overpayments	112	920*	112				
Charge fee(s) indicated below, except for the filling fee to the above-identified deposit account	Charge any additional fee(s) during the pendency of this application	113	1,840*	113	1.840**	Requesting publication of SIR after		
Total Claims	Charge fee(s) indicated below, except for the filing fee	115	110	215				
1. BASIC FILING FEE		116	400	216	200	Extension for reply within second month	7	
128   1,960   228   980   Extension for reply within fifth month   19   320   219   160   Notice of Appeal   19   320   219   160   Notice of Appeal   19   320   220   160   Fling a brief in support of an appeal   120   320   220   160   Fling a brief in support of an appeal   120   320   221   140   Request for oral hearing   128   1,510   138   1	FEE CALCULATION	117	920	217	460	Extension for reply within third month	_	
Fee	1. BASIC FILING FEE	118	1,440	218	720	Extension for reply within fourth month	_	
Code		128	1,960	228	980	Extension for reply within fifth month	4	
106   330   206   165   Design filing fee   121   280   221   140   Request for oral hearing   107   510   207   255   Plant filing fee   138   1,510   138   1,510   Petition to institute a public use proceeding   108   740   208   370   Reissue filing fee   140   110   240   55   Petition to revive - unavoidable   141   1,280   241   640   Petition to revive - unintentional   SUBTOTAL (1) (\$) 370.00   142   1,280   242   640   Utility issue fee (or reissue)		119	320	219	160	Notice of Appeal	_	
107   510   207   255   Plant filing fee   138   1,510   138   1,510   Petition to institute a public use proceeding   108   740   208   370   Reissue filing fee   140   110   240   55   Petition to revive - unavoidable   141   1,280   241   640   Petition to revive - unintentional   240   241   2	1 ) ———————————————————————————————————						4	
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114   160   214   80   Provisional filling fee   141   1,280   241   640   Petition to revive - unintentional			1				$\dashv$	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE    Section   Fee from   Fee from   Fee paid   144   620   244   310   Plant issue fee   144   620   145   146	<b>!</b>						$\dashv$	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE    Section   Fee from   Fee from   Fee paid   144   620   244   310   Plant issue fee   144   620   145   146	'	142	1 280	2//2	640	Hulty (ssue fee (or reissue)	$\dashv$	
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Independent 4 -3**= 1 X 42 = 42 123 50 123 50 Processing fee under 37 CFR 1.17(q)  Multiple Dependent 126 180 126 180 Submission of Information Disclosure Stmt  Large Entity Small Entity Fee						<del> </del>	$\dashv$	
Multiple Dependent = 126 180 126 180 Submission of Information Disclosure Stmt  Large Entity Small Entity Fee	Independent 4 32 42 42 42					<del></del>	$\dashv$	
Large Entity Small Entity  581 40 581 40 Recording each patent assignment per property (times number of properties)  Fee Fee Fee Fee Fee Fee Fee Fee Fee Fe							$\dashv$	
Fee					40	Recording each patent assignment per property	4	
	Fee Fee Fee Fee Fee Description	146	740	246	270	Filing a submission after final rejection	7	
103 18 203 9 Claims in excess of 20	177					· · · · · · · · · · · · · · · · · · ·	$\dashv$	
102 84 202 42 Independent claims in excess of 3 149 740 249 370 For each additional invention to be examined (37 CFR § 1 129(b))	,	149	740	249				
104   280   204   140   Multiple dependent claim, if not paid   109   84   209   42   **Reissue independent claims   179   740   279   370   Request for Continued Examination (RCE)	100 94 200 42 **Reissue independent claims	179	740	279	370			
110 18 210 9 ** Reissue claims in excess of 20 169 900 169 900 Request for expedited examination of a design application	** Reissue claims in excess of 20	169	900	169			コ	
SUBTOTAL (2) (\$) 42.00 Other fee (specify)	(C) 42 00	Other	l fee (specif	y)		o. a doo-git approacion	$\exists$	
(\$)	**or number previously paid, if greater; For Reissues, see above	*Reduc	ced by Bas	sic Filing	Fee Paid	d SUBTOTAL (3)		

SUBMITTED BY Complete (if applicable)								
Name (Print/Type)	Lance K. Ishimoto	Registration No. (Attorney/Agent)	41,866	Telephone	(281) 863-3333			
Signature	Lance & Sherrow by David W	. Ole Airth A	W HIBLER NO. 41,071	Date	January 22, 2002			

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## IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant:

Friddle et al.

U.S. Ser. No.:

To be assigned

Attorney Docket No.: LEX-0301-USA

Filing Date:

January 22, 2002

For:

Novel Human Ion Exchanger Proteins and Polynucleotides Encoding the

Same

## **VERIFIED STATEMENT**

Box Patent Application Commission for Patents Washington, D.C. 20231

Sir:

- I, DRENDA D. THOMAS, do declare and state as follows:
- 1. I prepared a Sequence Listing in paper and computer readable form under 37 C.F.R. Sec. 1.821-1.825 in connection with the above-captioned patent application, both of which are being submitted herewith.
- 2. I hereby state that the contents of the paper and computer readable copies of the Sequence Listing are the same.

Signed,

January 22, 2002

Date

Drenda D. Thomas